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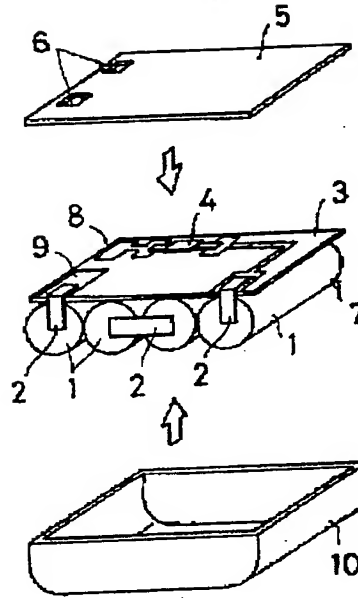
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : TSUJIOKA KATSUSHI;

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TITLE : SECONDARY BATTERY PACK



ABSTRACT : PURPOSE: To form a battery group into various shapes and use an automatic spot machine or the like for connection by fitting a PTC element serving as an overcurrent heating preventing element in series to a plurality of batteries.

CONSTITUTION: A battery group 7 integrated by metal connecting plates 2 and a flexible board 3 fitted with a PTC element 4 serving as an overcurrent heating preventing element in series to a plurality of batteries 1 are inserted into a resin case 10, and resin cases 5, 10 are ultrasonically welded. Since the element 4 is mounted on the board 3 separately from the battery group 7, the battery group 7 can be formed into various shapes, an automatic spot machine or the like can be used for connecting the batteries 1, and manufacturing processes can be sharply reduced. The welding work of the batteries 1 directly to the element 4 by a worker is eliminated, and the occurrence of the defective work and an accident can be prevented.

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